ELSEVIER

Comput. Methods Appl. Mech. Engrg. 124 (1995) 379–380

Computer methods in applied mechanics and engineering

Author index of Volume 124

Akhras, G., see Cheung, M.S. 49– 61
Ariel, P.D., A new finite-difference algorithm for computing the boundary layer flow of viscoelastic fluids in hydromagnetics 1– 13
Armstrong, C.G., see Li, T.S. 171–193

Bayliss, A., see Kulkarni, M. 335–363
Belytschko, T., see Kulkarni, M. 335–363
Burton, W.S. and A.K. Noor, Assessment of computational models for sandwich panels and shells 125–151

Cheung, M.S., G. Akhras and W. Li, Progressive failure analysis of composite plates by the finite strip method 49– 61

Dupont, P., see Hannani, S.K. 153–170

Elishakoff, I. and J. Fang, Diagnosis of local uncertain modifications in the boundary conditions of a rectangular plate via convex modeling 303–319

Fang, J., see Elishakoff, I. 303–319
Farhat, C., see Piperno, S. 79–112

Gardner, G.A., see Gardner, L.R.T. 321–333
Gardner, G.A., see Gardner, L.R.T. 365–375
Gardner, L.R.T., G.A. Gardner and T. Geyikli, Solitary wave solutions of the MKdV^{-} equation 321–333
Gardner, L.R.T. and G.A. Gardner, A two dimensional bi-cubic B-spline finite element: used in a study of MHD-duct flow 365–375
Gasparini, A.M., A.V. Saetta and R.V. Vitaliani, On the stability and instability regions of non-conservative continuous system under partially follower forces 63– 78
Gatti, E., see Sacco, R. 113–124
Geyikli, T., see Gardner, L.R.T. 321–333
Gotusso, L., see Sacco, R. 113–124

Haftka, R.T., see Zhou, M. 253–271
Hannani, S.K., M. Stanislas and P. Dupont, Incompressible Navier–Stokes computations with SUPG and GLS formulations—A comparison study 153–170
Hoff, C.C., see Key, S.W. 33– 47
Hsu, C.A. and J.Y. Yang, A high-order streamline Godunov scheme for steady supersonic flow computation 283–302

Idelsohn, S., see Storti, M. 231–252

Key, S.W. and C.C. Hoff, An improved constant membrane and bending stress shell element for explicit transient dynamics 33– 47
Kohring, G.A., S. Melin, H. Puhl, H.J. Tillemans and W. Vermöhlen, Computer simulations of critical, non-stationary granular flow through a hopper 273–281
Kouhia, R. and R. Stenberg, A linear nonconforming finite element method for nearly incompressible elasticity and Stokes flow 195–212
Kulkarni, M., T. Belytschko and A. Bayliss, Stability and error analysis for time integrators applied to strain-softening materials 335–363

Larrouturou, B., see Piperno, S. 79–112
Li, T.S., R.M. McKeag and C.G. Armstrong, Hexahedral meshing using midpoint subdivision and integer programming 171–193
Li, W., see Cheung, M.S. 49– 61

McKeag, R.M., see Li, T.S. 171–193
Melin, S., see Kohring, G.A. 273–281

Nigro, N., see Storti, M. 231–252
Noor, A.K., see Burton, W.S. 125–151

Picasso, M., An adaptive finite element algorithm for a two-dimensional stationary Stefan-like problem 213–230
Piperno, S., C. Farhat and B. Larrouturou, Partitioned procedures for the transient solution of coupled aeroelastic problems. Part I: Model problem, theory and two-dimensional application 79–112
Puhl, H., see Kohring, G.A. 273–281

Sacco, R., E. Gatti and L. Gotusso, The patch test as a validation of a new finite element for the solution of convection–diffusion equations 113–124
Saetta, A.V., see Gasparini, A.M. 63– 78
Stanislas, M., see Hannani, S.K. 153–170
Stenberg, R., see Kouhia, R. 195–212
Storti, M., N. Nigro and S. Idelsohn, Steady state incompressible flows using explicit schemes with an optimal local preconditioning 231–252

Tamamidis, P., A new upwind scheme on triangular meshes using the finite volume method 15– 31
Tillemans, H.J., see Kohring, G.A. 273–281

Vermöhlen, W., see Kohring, G.A. 273–281
Vitaliani, R.V., see Gasparini, A.M. 63– 78

Yang, J.Y., see Hsu, C.A. 283–302

Zhou, M. and R.T. Haftka, A comparison of optimality criteria methods for stress and displacement constraints 253–271

ELSEVIER

Comput. Methods Appl. Mech. Engrg. 124 (1995) 381–385

Computer methods in applied mechanics and engineering

Subject index of Volume 124

Asymptotic methods
Diagnosis of local uncertain modifications in the boundary conditions of a rectangular plate via convex modeling, I. Elishakoff and J. Fang 303–319

Boundary layers
A new finite-difference algorithm for computing the boundary layer flow of viscoelastic fluids in hydromagnetics, P.D. Ariel 1– 13

Dynamics
An improved constant membrane and bending stress shell element for explicit transient dynamics, S.W. Key and C.C. Hoff 33– 47
Diagnosis of local uncertain modifications in the boundary conditions of a rectangular plate via convex modeling, I. Elishakoff and J. Fang 303–319
Partitioned procedures for the transient solution of coupled aeroelastic problems. Part I: Model problem, theory and two-dimensional application, S. Piperno, C. Farhat and B. Larrouturou 79–112
Stability and error analysis for time integrators applied to strain-softening materials, M. Kulkarni, T. Belytschko and A. Bayliss 335–363

Elasticity
A linear nonconforming finite element method for nearly incompressible elasticity and Stokes flow, R. Kouhia and R. Stenberg 195–212
Hexahedral meshing using midpoint subdivision and integer programming, T.S. Li, R.M. McKeag and C.G. Armstrong 171–193

Electromagnetic fields
A two dimensional bi-cubic B-spline finite element: used in a study of MHD-duct flow, L.R.T. Gardner and G.A. Gardner 365–375
Solitary wave solutions of the MKdV^{-} equation, L.R.T. Gardner, G.A. Gardner and T. Geyikli 321–333

Finite difference methods
A high-order streamline Godunov scheme for steady supersonic flow computation, C.A. Hsu and J.Y. Yang 283–302
A new finite-difference algorithm for computing the boundary layer flow of viscoelastic fluids in hydromagnetics, P.D. Ariel 1– 13
Partitioned procedures for the transient solution of coupled aeroelastic problems. Part I: Model problem, theory and two-dimensional application, S. Piperno, C. Farhat and B. Larrouturou 79–112

Finite element and matrix methods
A comparison of optimality criteria methods for stress and displacement constraints, M. Zhou and R.T. Haftka 253–271
A linear nonconforming finite element method for nearly incompressible elasticity and Stokes flow, R. Kouhia and R. Stenberg 195–212
A two dimensional bi-cubic B-spline finite element: used in a study of MHD-duct flow, L.R.T. Gardner and G.A. Gardner 365–375
An adaptive finite element algorithm for a two-dimensional stationary Stefan-like problem, M. Picasso 213–230
An improved constant membrane and bending stress shell element for explicit transient dynamics, S.W. Key and C.C. Hoff 33– 47
Assessment of computational models for sandwich panels and shells, W.S. Burton and A.K. Noor 125–151
Hexahedral meshing using midpoint subdivision and integer programming, T.S. Li, R.M. McKeag and C.G. Armstrong 171–193
Incompressible Navier–Stokes computations with SUPG and GLS formulations—A comparison study, S.K. Hannani, M. Stanislas and P. Dupont 153–170
Partitioned procedures for the transient solution of coupled aeroelastic problems. Part I: Model problem, theory and two-dimensional application, S. Piperno, C. Farhat and B. Larrouturou 79–112
Progressive failure analysis of composite plates by the finite strip method, M.S. Cheung, G. Akhras and W. Li 49– 61
Solitary wave solutions of the MKdV$^-$ equation, L.R.T. Gardner, G.A. Gardner and T. Geyikli 321–333
Steady state incompressible flows using explicit schemes with an optimal local preconditioning, M. Storti, N. Nigro and S. Idelsohn 231–252
The patch test as a validation of a new finite element for the solution of convection–diffusion equations, R. Sacco, E. Gatti and L. Gotusso 113–124

Fluid mechanics
A new upwind scheme on triangular meshes using the finite volume method, P. Tamamidis 15– 31
Incompressible Navier–Stokes computations with SUPG and GLS formulations—A comparison study, S.K. Hannani, M. Stanislas and P. Dupont 153–170
Partitioned procedures for the transient solution of coupled aeroelastic problems. Part I: Model problem, theory and two-dimensional application, S. Piperno, C. Farhat and B. Larrouturou 79–112
Steady state incompressible flows using explicit schemes with an optimal local preconditioning, M. Storti, N. Nigro and S. Idelsohn 231–252
The patch test as a validation of a new finite element for the solution of convection–diffusion equations, R. Sacco, E. Gatti and L. Gotusso 113–124

Fracture mechanics
Progressive failure analysis of composite plates by the finite strip method, M.S. Cheung, G. Akhras and W. Li 49– 61

Gas dynamics
A high-order streamline Godunov scheme for steady supersonic flow computation, C.A. Hsu and J.Y. Yang 283–302

Heat and diffusion
An adaptive finite element algorithm for a two-dimensional stationary Stefan-like problem, M. Picasso 213–230

Incompressible and near incompressible media
A linear nonconforming finite element method for nearly incompressible elasticity and Stokes flow, R. Kouhia and R. Stenberg 195–212
Incompressible Navier–Stokes computations with SUPG and GLS formulations—A comparison study, S.K. Hannani, M. Stanislas and P. Dupont 153–170

Material physics
Computer simulations of critical, non-stationary granular flow through a hopper, G.A. Kohring, S. Melin, H. Puhl, H.J. Tillemans and W. Vermöhlen 273–281

Miscellaneous topics
The patch test as a validation of a new finite element for the solution of convection–diffusion equations, R. Sacco, E. Gatti and L. Gotusso 113–124

Nonconservative loads
On the stability and instability regions of non-conservative continuous system under partially follower forces, A.M. Gasparini, A.V. Saetta and R.V. Vitaliani 63– 78

Nonlinear dynamics of systems
Computer simulations of critical, non-stationary granular flow through a hopper, G.A. Kohring, S. Melin, H. Puhl, H.J. Tillemans and W. Vermöhlen 273–281

Nonlinear mechanics
An adaptive finite element algorithm for a two-dimensional stationary Stefan-like problem, M. Picasso 213–230
On the stability and instability regions of non-conservative continuous system under partially follower forces, A.M. Gasparini, A.V. Saetta and R.V. Vitaliani 63– 78

Numerical solution procedures
A comparison of optimality criteria methods for stress and displacement constraints, M. Zhou and R.T. Haftka 253–271
A new finite-difference algorithm for computing the boundary layer flow of viscoelastic fluids in hydromagnetics, P.D. Ariel 1– 13
A new upwind scheme on triangular meshes using the finite volume method, P. Tamamidis 15– 31
An adaptive finite element algorithm for a two-dimensional stationary Stefan-like problem, M. Picasso 213–230
Computer simulations of critical, non-stationary granular flow through a hopper, G.A. Kohring, S. Melin, H. Puhl, H.J. Tillemans and W. Vermöhlen 273–281
Incompressible Navier–Stokes computations with SUPG and GLS formulations—A comparison study, S.K. Hannani, M. Stanislas and P. Dupont 153–170
Stability and error analysis for time integrators applied to strain-softening materials, M. Kulkarni, T. Belytschko and A. Bayliss 335–363
Steady state incompressible flows using explicit schemes with an optimal local preconditioning, M. Storti, N. Nigro and S. Idelsohn 231–252

Optimization and design of structures
A comparison of optimality criteria methods for stress and displacement constraints, M. Zhou and R.T. Haftka 253–271

Plasticity
Stability and error analysis for time integrators applied to strain-softening materials, M. Kulkarni, T. Belytschko and A. Bayliss 335–363

Shells and plates
An improved constant membrane and bending stress shell element for explicit transient dynamics, S.W. Key and C.C. Hoff 33– 47
Diagnosis of local uncertain modifications in the boundary conditions of a rectangular plate via convex modeling, I. Elishakoff and J. Fang 303–319
Progressive failure analysis of composite plates by the finite strip method, M.S. Cheung, G. Akhras and W. Li 49– 61

Solution of differential equations
Diagnosis of local uncertain modifications in the boundary conditions of a rectangular plate via convex modeling, I. Elishakoff and J. Fang 303–319

Solutions of ordinary and partial differential equations
A new finite-difference algorithm for computing the boundary layer flow of viscoelastic fluids in hydromagnetics, P.D. Ariel 1– 13

Spline approximation
A two dimensional bi-cubic B-spline finite element: used in a study of MHD-duct flow, L.R.T. Gardner and G.A. Gardner 365–375
Solitary wave solutions of the MKdV^{-} equation, L.R.T. Gardner, G.A. Gardner and T. Geyikli 321–333

Stability in structural mechanics
On the stability and instability regions of non-conservative continuous system under partially follower forces, A.M. Gasparini, A.V. Saetta and R.V. Vitaliani 63– 78
Partitioned procedures for the transient solution of coupled aeroelastic problems. Part I: Model problem, theory and two-dimensional application, S. Piperno, C. Farhat and B. Larrouturou 79–112

Structural mechanics
A comparison of optimality criteria methods for stress and displacement constraints, M. Zhou and R.T. Haftka 253–271
An improved constant membrane and bending stress shell element for explicit transient dynamics, S.W. Key and C.C. Hoff 33– 47
Assessment of computational models for sandwich panels and shells, W.S. Burton and A.K. Noor 125–151
Diagnosis of local uncertain modifications in the boundary conditions of a rectangular plate via convex modeling, I. Elishakoff and J. Fang 303–319
Partitioned procedures for the transient solution of coupled aeroelastic problems. Part I: Model problem, theory and two-dimensional application, S. Piperno, C. Farhat and B. Larrouturou 79–112

Supersonic flow
A high-order streamline Godunov scheme for steady supersonic flow computation, C.A. Hsu and J.Y. Yang 283–302

Systems of linear and nonlinear simultaneous equations
Diagnosis of local uncertain modifications in the boundary conditions of a rectangular plate via convex modeling, I. Elishakoff and J. Fang 303–319

Transport phenomena
Incompressible Navier–Stokes computations with SUPG and GLS formulations—A comparison study, S.K. Hannani, M. Stanislas and P. Dupont 153–170
The patch test as a validation of a new finite element for the solution of convection–diffusion equations, R. Sacco, E. Gatti and L. Gotusso 113–124

Viscoelastic and viscoplastic media
A new finite-difference algorithm for computing the boundary layer flow of viscoelastic fluids in hydromagnetics, P.D. Ariel 1– 13

Viscous flow
Incompressible Navier–Stokes computations with SUPG and GLS formulations—A comparison study, S.K. Hannani, M. Stanislas and P. Dupont 153–170
Steady state incompressible flows using explicit schemes with an optimal local preconditioning, M. Storti, N. Nigro and S. Idelsohn 231–252